Brown Bag Seminar: Carbon Sequestration and Agriculture
Sponsored by the California Department of Food and Agriculture
Tuesday, February 3, 2009, Noon to 1:00 P.M.
1220 N Street, First Floor, Room 133

Opportunities and Challenges: Carbon Sequestration in Agricultural Landscapes
Dr. William R. Horwath, Department of Land, Air and Water Resources, UC Davis

Abstract: Dr. Horwath will present observations and conclusions from his and his colleagues' research on climate change, soil organic matter and agriculture. He will focus particularly on the opportunities for, and challenges to, agriculture to play a role in carbon sequestration and earn carbon credits under AB32, the Greenhouse Gas Reduction Solutions Act of 2006.

William R. Horwath, Professor of Soil Biogeochemistry. Dr. Horwath is the Vice Chair of the Dept. of Land Air and Water Resources and the J. G. Boswell Endowed Chair in Soil Science. Dr. Horwath's research emphasizes the biogeochemistry of agricultural and natural systems. His research programs deal with plant nutrient use efficiency, climate change impacts on agriculture, and agricultural impacts on water quality. In his studies on plant nutrients, he emphasizes the role of soil organic matter in affecting the efficiency of fertilizer uptake by crops and loss to the environment as components affecting water quality and greenhouse gas emission. Dr. Horwath has extensive experience working in rice systems. His research covers a wide variety of systems ranging from agriculture to forests. He has written and published extensively in the areas of soil sustainability, forest ecology and the environment. His publications have appeared in textbooks, industry publications and agriculture and natural resource journals. He has published over 100 peer-reviewed scientific publications. He is an active member, with extensive committee and associate editor responsibilities, of numerous national and state professional organizations in soil science and the environment. His teaching at UC Davis has included mentoring 12 Ph.D. students and 10 Master of Science students.

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